

**INTERNATIONAL SEARCH REPORT**

International Application No PCT/IB2005/050056
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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61B5/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 404 877 A (NOLAN ET AL) 11 April 1995 (1995-04-11) column 1, line 7 - column 9, line 22 -----	1-17
X	US 6 662 032 B1 (GAVISH BENJAMIN ET AL) 9 December 2003 (2003-12-09) paragraphs '0002!, '0175!, '0253!, '0312! - '0326!, '0335!, '0388! - '0390! -----	1-8
A	US 6 280 409 B1 (STONE KAREN A ET AL) 28 August 2001 (2001-08-28) the whole document -----	1-17
A	US 6 527 729 B1 (TURCOTT ROBERT) 4 March 2003 (2003-03-04) the whole document ----- -/-	1-17

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

23 March 2005

Date of mailing of the International search report

31/03/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 160 478 A (JACOBSEN ET AL) 12 December 2000 (2000-12-12) the whole document -----	1-17
A	US 5 987 352 A (KLEIN ET AL) 16 November 1999 (1999-11-16) cited in the application the whole document -----	1-17

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 18-23

Rule 39.1(iv) PCT - Diagnostic method practised on the human or animal body

The subject-matter of claims 18-21 does not explicitly refers to diagnostic methods, but can still be interpreted as such for the following reasons:

Since the dependent claim 23 explicitly refers to a diagnostic method, it is considered to be embraced by the scope of its independent claim (18) and thus implicitly comprised in the subject-matter of claim 18.

Further, the steps of:

sensing the physical activity of the patient and comparing the sensed physical activity to a pre-set threshold to determine whether the physical activity exceeds the threshold, can also be interpreted as a diagnostic method, because physical activity could refer to for example heart activity.

**INTERNATIONAL SEARCH REPORT**International application No.  
PCT/IB2005/050056**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 18-23 because they relate to subject matter not required to be searched by this Authority, namely:  
see FURTHER INFORMATION sheet PCT/ISA/210
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple Inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/IB2005/050056

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5404877	A	11-04-1995	EP	0627194 A2		07-12-1994
US 6662032	B1	09-12-2003	AU CA EP WO US	5842000 A 2343537 A1 1178751 A2 0102049 A2 2004077934 A1		22-01-2001 11-01-2001 13-02-2002 11-01-2001 22-04-2004
US 6280409	B1	28-08-2001	US CA EP JP WO US	6045513 A 2331500 A1 1079733 A1 2002514454 T 9958056 A1 6102874 A		04-04-2000 18-11-1999 07-03-2001 21-05-2002 18-11-1999 15-08-2000
US 6527729	B1	04-03-2003	US US US US US	6477406 B1 6480733 B1 6409675 B1 6491639 B1 6600949 B1		05-11-2002 12-11-2002 25-06-2002 10-12-2002 29-07-2003
US 6160478	A	12-12-2000	FR US	2785073 A1 2001004234 A1		28-04-2000 21-06-2001
US 5987352	A	16-11-1999	US US AU AU CA CA EP JP WO	6412490 B1 6496715 B1 721854 B2 3668097 A 2260209 A1 2466742 A1 0944414 A2 2000514682 T 9802209 A2		02-07-2002 17-12-2002 13-07-2000 09-02-1998 22-01-1998 22-01-1998 29-09-1999 07-11-2000 22-01-1998